INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT PRELIMINARY ASSESSMENT REPORT

FOR

LANE STREET GROUND WATER CONTAMINATION

ELKHART, INDIANA

ELKHART COUNTY

OCTOBER 5, 2007

EPA ID: INN000510229

EPA Region 5 Records Ctr.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr. Governor

Thomas W. Easterly Commissioner

100 North Senate Avenue Indianapolis, Indiana 46204-2251 (317) 232-8603 (800) 451-6027 www.IN.gov/idem

December 19, 2007

Ms. Laura Ripley Site Assessment Section U.S. EPA, Region V 77 West Jackson Boulevard Chicago, Illinois 60604

Dear Ms. Ripley:

Re: Site Summary Lane Street Ground Water Contamination Elkhart, Indiana

The site was reported to Indiana Department of Environmental Management (IDEM) from a representative of the Elkhart County Health Department (ECHD). The ECHD received a call from a resident who resides on Lane Street. The resident, who obtains drinking water from a private well, had her water analyzed for volatile organic compounds. The analysis revealed elevated levels (1560 µg/l) of trichloroethylene (TCE). The maximum contaminant level for TCE is 5 µg/l.

Lane Street lies adjacent to a known ground water plume that is being addressed by IDEM's Voluntary Remediation Program (VRP). The responsible party for the known ground water plume in the area indicated that the contamination found on Lane Street is from another source because some of the contaminants are different than those detected in the known ground water plume and the geology of the area show the contamination of the known ground water plume is confined to a specific area east of Lane Street.

On August 23, 2007, Site Investigation staff sampled the ground water from seven (7) private wells on and north of Lane Street including the residence that had phoned the ECHD with the elevated TCE concentration. This sampling was conducted as part of a PreCERCLIS Screening for the site. Analysis of the ground water samples revealed that the drinking water in four (4) residential wells were found to contain elevated levels of VOC's at concentrations above MCLs.

On August 31, 2007, Site Investigation staff sampled 39 drinking water samples on Lane Street and from some of the facilities located to the north of County Road 106.



Ms. Laura Ripley Page 2 of 2

The sampling was conducted as part of a Preliminary Assessment for the site. Analysis of those water samples revealed that elevated levels of volatile organic compounds were present in 13 of the water samples. The water in 10 of the wells sampled had trichloroethylene levels above the maximum contaminant level (MCL).

The site lies in a predominantly residential area providing many potential targets in the event of an off site release of hazardous materials. Approximately 26 homes on Lane Street utilize private wells for drinking water. These 26 homes are located downgradient from the TCE contamination on Lane Street and may be subject to ground water contamination.

Should you have any questions regarding the contents of this correspondence, please contact me at (317) 233-2407.

Sincerely

Mark Jaworski

Site Investigation Section Office of Land Quality

MJ/sb

Signature Page

For

Lane Street Ground Water Contamination Elkhart, Indiana

Prepared	by:	L. Jaworski, Project Leader	_Date:_	10-31-04
		Investigation Section ana Department of Environmental	Managem	ent
Reviewed		\bigcap \wedge	Date:	1
Approved	By:	Indiana Department of Environme Capriele Reule Gabriele Hauer, Chief Site Investigation Section Indiana Department of Environme	Date:	1 <u>110710</u> 7
Approved	By:	EPA Site Assessment Manager	Date:	12/18/07

Table of Contents

Sect	<u>i.on</u>		Page
I.	Intro	oduction	1-1
II.	Site	Background	2-1
	2.1 2.2 2.3	<u> </u>	.2-1
III.		d Observations, Sampling Procedures, and ytical Results	.3-1
	3.1 3.2 3.3	Introduction	3-1
IV.	Disc	ussion of Migration Pathways	.4-1
	4.1 4.2 4.3 4.4 4.5	Groundwater Pathway	4-1 4-3 4-3 4-3 .4-4
V	Site	Summary and Conclusions	5-1

Appendices

App	pendix	Page
Α.	Four Mile Radius Map	A-1
в.	Fifteen Mile Surface Water Pathway Map	B-1
C.	Chemical Analysis	C-1
D.	Site Photographs	D-1

List of Illustrations

Figures	Page
Figure 1) Site Location Map	2-2
Figure 2) Groundwater Sample Location Map	3 - 3
Figure 3) Contaminant Concentration Map	4 - 4

List of Tables

Table						
Table 1	Sample	Location	and	Comment	Table	Page 3-4

Section I

INTRODUCTION

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), the Indiana Department of Environmental Management (IDEM), Site Investigation Section, has been tasked to conduct a Preliminary Assessment (PA) at the Lane Street Ground Water Contamination (LNGWC) site in Elkhart County, Indiana. The purpose of the investigation was to obtain information concerning conditions at the LNGWC site sufficient to determine the need for additional CERCLA or other appropriate action. The scope of the PA investigation included a review of file information, a sampling event, a comprehensive target survey, and an on-site reconnaissance.

Section II

Site Background

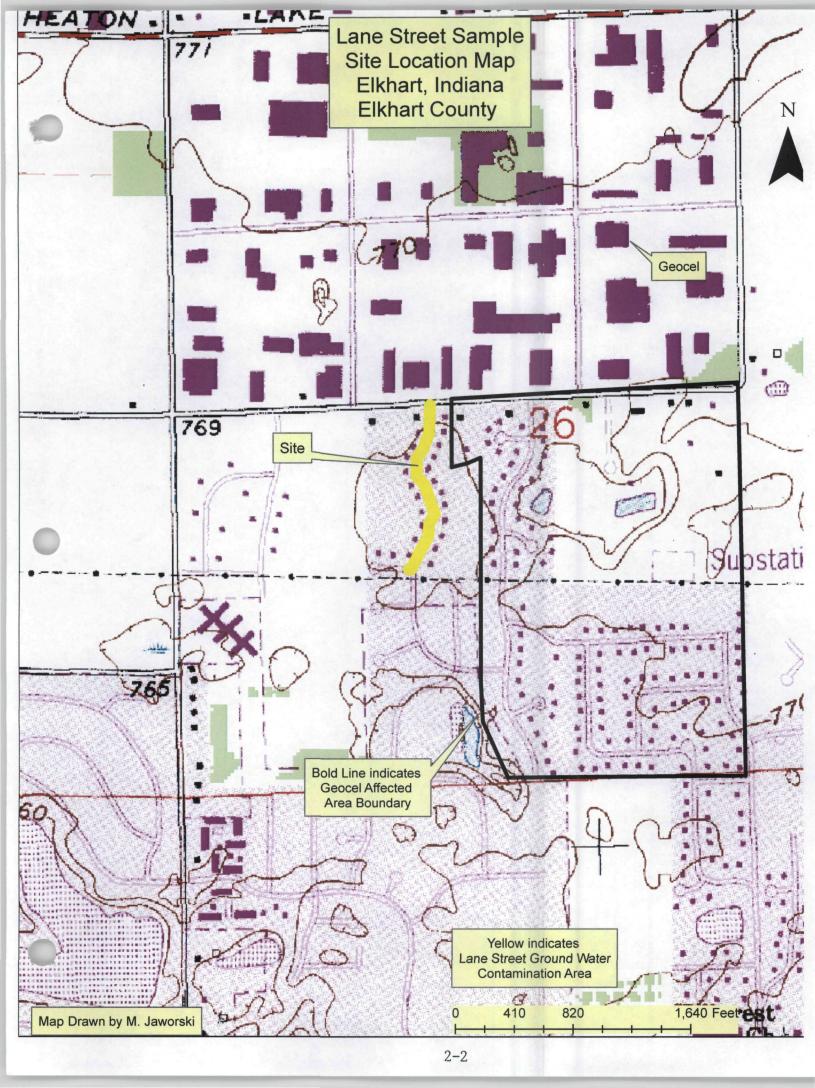
2.1 Introduction

This section includes information obtained from the site representative interviews and IDEM files.

2.2 SITE LOCATION and DESCRIPTION

The site can be found in Section 26, Township 38 North, Range 5 East North, Range 9 East (Figure 1, Page 2-2). The site's geographic coordinates are 41° 43′ 0.39″ North Latitude and 86° 85′ 15.58″ West Longitude.

The site is comprised of a residential subdivision, several plant buildings, an office building, a parking lot, and an open field vegetated in grasses. Lane Street is bounded to the north by County Road 106, to the east by Kershner Street, to the south by another residential subdivision and to the west by farm land. The site is located in a predominantly residential area providing many potential targets. An industrial park located north of County Road 106 is comprised of numerous plant buildings with various operations and offices. Refer to the Site Location Map on page 2-2



2.3 Site History and Waste Characteristics

In October 2006, a Phase I Environmental Site Assessment (ESA) was conducted for the Geocel facility located at 53280 Marina Road in Elkhart, Indiana. Operations at the Geocel facility involve the manufacturing and packaging of sealants, caulks, and adhesives. General processes include product formulation/mixing and packaging into tubes and other containers. A variety of hazardous and non-hazardous chemicals are used and stored at the site. The ESA concluded that a subsurface investigation should be completed in the vicinity of a former Tetrachloroethene (PCE) underground storage tank (UST). The UST was removed in 1986. Subsequent investigations in this area indicated that a release of chlorinated solvents had occurred to the ground water pathway. The chlorinated solvents were found to have migrated off site to the south into a residential area. All residents in this area obtain drinking water from individual private wells. The water in many of the residential wells was found to contain elevated levels of volatile organic compounds. Geocel supplied carbon filters to the residents.

Geocel alerted IDEM and the Elkhart County Health

Department about the ground water contamination and applied to

IDEM's Voluntary Remediation Program (VRP). Geocel was accepted

in the program on July 12, 2007.

Geocel's investigation concluded that the ground water contamination was confined to an area bordered by Kershner Street to the west, the Geocel facility to the north, County Road 113 to the east, and Crestwood Street to the south.

On August 22, 2007, the Site Investigation Section of the Indiana Department of Environmental Management (IDEM) staff received a call from the Elkhart County Health Department (ECHD). The ECHD stated that a resident located at 43514 Lane Street had submitted a sample of her drinking water to the Water Quality Laboratory at Heidelberg College in Tiffin, Ohio. The analysis of the water revealed highly elevated levels of trichloroethylene (1560 μ g/l) and other break down products.

Geocel is not claiming responsibility for the contamination on Lane street because: 1) the ground water contamination lies outside of their area of influence, and 2) the ground water plume appears to be another plume consisting of other contaminants not detected on Kershner St.

On August 23, 2007, IDEM staff conducted a visual site reconnaissance of the surrounding properties. The majority of residents on and around Lane Street utilize private wells for drinking water. Numerous businesses and small industries lie in an industrial park located north of County Road 106.

After the site reconnaissance, Site Investigation staff sampled the ground water from seven private wells on and north of Lane Street including the residence that had phoned the ECHD with the elevated TCE concentration. Analysis of the Ground water samples revealed that the drinking water in four residential wells were found to contain elevated levels of VOC's at concentrations above MCLs.

Section III

Field Observations and Sampling Procedures

3.1 Introduction

This section outlines the procedures and observations of the Lane Street Ground Water Contamination Preliminary
Assessment.

3.2 Site Reconnaissance and Observations

On August 30, 2007 Mark Jaworski, (Project Manager)
met with Tim Johnson, Bill Giles, IDEM Site Investigation
Section, Jason Murdoc, Alyn DeLong, Chris Ferguson, IDEM
Chemistry Section, Kevin Houpert, and Aunna Huber, State Clean
Up Section, at the Lane Street Ground Water Contamination Site.
The purpose of the meeting was to document site conditions,
identify nearby industries, and sample approximately 30 private
wells to determine the impact of hazardous materials that
had been released to the ground water pathway. Inspection of
the site revealed the following observations:

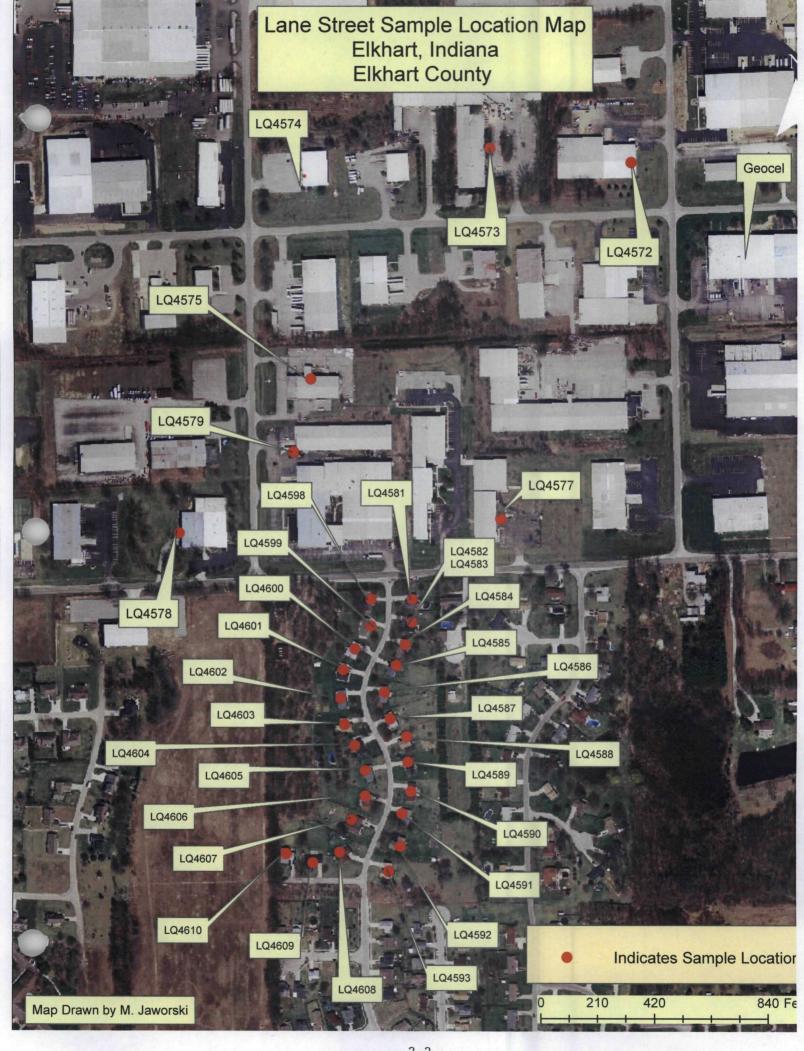
- A. The impacted wells that were sampled on August 23 lie predominantly in a residential area on Lane Street.
- B. About 25 residents on Lane Street utilize private wells for obtaining drinking water

- C. There are about 30 different industrial/commercial facilities located northwest, north, and northeast of Lane Street that could potentially be a source of the ground water contamination.
- D. Some stressed vegetation was observed between buildings at one of the industrial locations.
- E. There were no storm drains in the industrial park north of Lane Street
- F. Irrigation systems were common in the industrial area from a ground water source in addition to the city municipal water system.

3.3. Ground Water Sampling

On August 30, IDEM staff collected a total of thirty nine drinking water samples for the Lane Street Ground Water Contamination site. All samples were analyzed by Heritage Laboratory, IDEM's state approved laboratory. The samples were analyzed for volatile organic compounds. The samples are identified by LQ4570 through LQ4579, LQ4581 through LQ4595, and LQ4597 through LQ4610. Refer to the Sample Location Map on page 3-3 for the location of each sample. The Sample Location and Comment Table, Pages 3-4 through 3-6, depicts the location and any comments regarding each sample.

All ground water samples collected from the residential wells were obtained by first purging the well (allowing the well



Sample Location and Comment Table

Sample ID	Sample Location	Comments
LQ4570	53468 Cr 113 N Elkhart, In 46514	Clear
LQ4571	Heritage Laboratory Indianapolis, Indiana	Trip Blank
LQ4572	53217 Marina Dr. Elkhart, In 46514	Clear
LQ4573	23551 Cooper Dr. Elkhart, Indiana	Clear
LQ4574	5312 Ada Dr. Elkhart, Indiana	Clear
LQ4575	53386 Ada Dr. Elkhart, Indiana	Clear
LQ4576	Heritage Laboratory Elkhart, Indiana	Trip Blank
LQ4577	23537 County Road 106 Elkhart, Indiana	Clear
LQ4578	53465 Ada Dr. Elkhart, Indiana	Clear
LQ4579	53468 Ada Dr. Elkhart, Indiana	Clear
LQ4581	53514 Lane St. Elkhart, Indiana	Clear
LQ4582	53532 Lane St. Elkhart, Indiana	Clear
LQ4583	53532 Lane St. Elkhart, Indiana	Duplicate of LQ 4582

Sample Location and Comment Table (Continued)

Sample ID	Sample Location	Comments
LQ4584	53548 Lane St. Elkhart, Indiana	Clear
LQ4585	53564 Lane St. Elkhart, Indiana	Clear
LQ4586	53584 Lane St. Elkhart, Indiana	Clear
LQ4587	53604 Lane St. Elkhart, Indiana	Clear
LQ4588	53618 Lane St. Elkhart, Indiana	Clear
LQ4589	53634 Lane St. Elkhart, Indiana	Clear
LQ4590	53652 Lane St. Elkhart, Indiana	Clear
LQ4591	53668 Lane St. Elkhart, Indiana	Clear
LQ4592	53684 Lane St. Elkhart, Indiana	Clear
LQ4593	53707 Lane St. Elkhart, Indiana	Clear
LQ4594	Heritage Laboratory Indianapolis, Indiana	Trip Blank
LQ4595	Heritage Laboratory Indianapolis, Indiana	Trip Blank
LQ4597	Heritage Laboratory Indianapolis, Indiana	Trip Blank
LQ4598	53515 Lane St. Elkhart, Indiana	Clear

Sample Location and Comment Table (Continued)

Sample ID	Sample Location	Comments
LQ4599	53535 Lane St. Elkhart, Indiana	Clear
LQ4600	53553 Lane St. Elkhart, Indiana	Clear
LQ4602	53585 Lane St. Elkhart, Indiana	Clear
LQ4601	53569 Lane St. Elkhart, Indiana	Clear
LQ4603	53601 Lane St. Elkhart, Indiana	Clear
LQ4604	53615 Lane St. Elkhart, Indiana	Clear
LQ4605	53635 Lane St. Elkhart, Indiana	Clear
LQ4606	53657 Lane St. Elkhart, Indiana	Clear
LQ4607	53677 Lane St. Elkhart, Indiana	Clear
LQ4608	53695 Lane St. Elkhart, Indiana	Clear
LQ4609	23723 Barley Elkhart, Indiana	Clear
LQ4610	23741 Barley Elkhart, Indiana	Clear

to run for 15 minutes) and then allowing the water to flow directly into the samples jars from the spigot. Nitrile surgical gloves were worn and discarded between the collection of each sample.

The laboratory results from the sampling have been determined to be acceptable for use and meet the criteria contained under IDEM quality criteria. Refer to Analytical Results in Appendix C.

Any exceptions to the acceptance of this data will be identified in the QA/QC memorandums by the U.S. EPA chemists and IDEM chemists. Refer to Appendix C.

Section IV

Discussion of Migration Pathways

4.0 Introduction

Potential migration pathways for contaminants emanating

From the Lane Street Ground Water Contamination site are

discussed in this section. Potential contaminant migration

through ground water, surface water (including drinking threat,
human food chain threat, and environmental threat), and soil

exposure is discussed.

4.1 Ground Water Pathway

The site is located in the Kankakee Outwash and Lacustrine Plain of the Northern Moraine and Lake Region physiographic unit in northern Indiana (Malott, 1922). Unconsolidated deposits in this area consist of thick units of Wisconsinan-aged glacial outwash deposits that were deposited by ice advances of the Saginaw and Erie Lobes approximately 15,000 years ago (Wayne, 1966). Approximately 150 ft of unconsolidated deposits overlie Devonian and Mississippian-aged shale bedrock units of the Antrim and Ellsworth Formations. In the vicinity of the site, an unconfined surficial aquifer consisting of sand and gravel

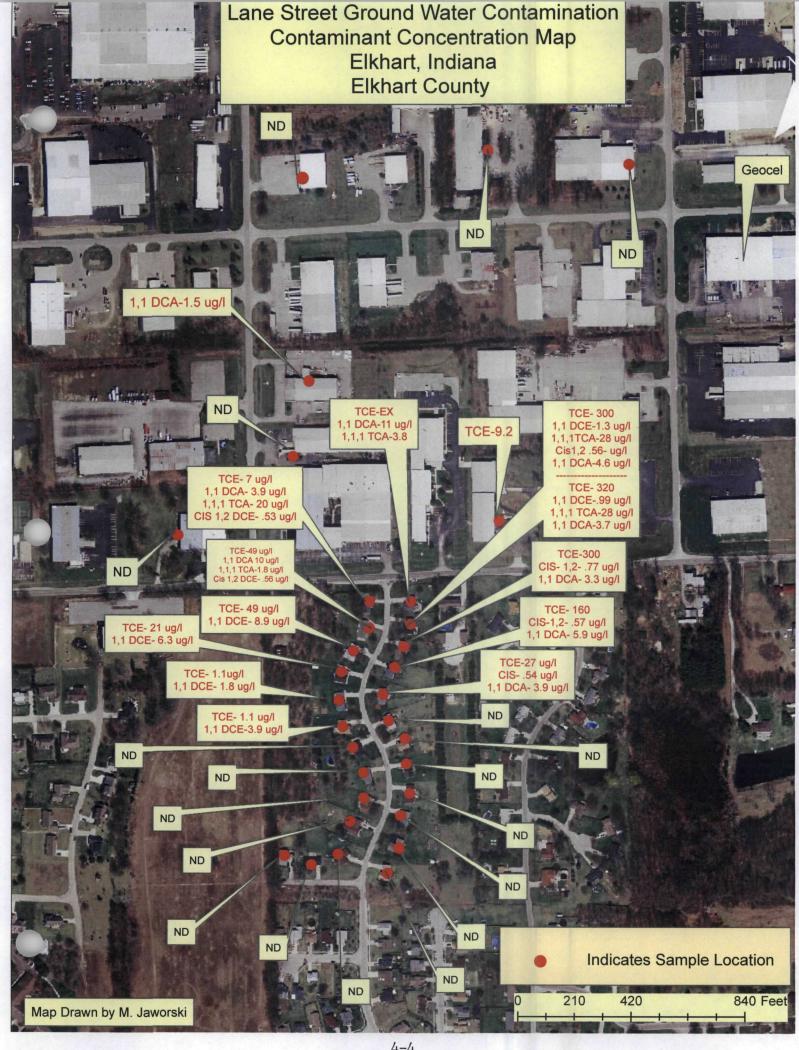
units extends to a depth at least 50 ft below the ground The upper aguifer and a lower, confined, sand and surface. gravel aguifer that extends to the bedrock surface are separated by an aerially extensive confining unit that is between 0 and 50 ft thick across the northwestern part of the county (Arihood and Cohen, 1997). Hydraulic conductivity values for the aquifers are estimated (by calibrated ground water flow models) to be on the order of magnitude of 10^{-1} to 10^{-2} cm/s. The depth to ground water ranges from 6 to 15 ft below the ground surface. Ground water flow is believed to be to the south towards the St. Joseph River, which is located approximately 1.4 miles south of the Soils at the site have been classified as "Plainfield fine sand, 0-2% slopes", which is described as "deep, excessively drained and somewhat excessively drained, coarsetextured soil that developed in sandy outwash" (USDA, 1974). The soils are up to 60 inches thick and have a very high permeability (>20 inches per hour). Ground water use is high in the immediate area and is used primarily for drinking water and some industrial purposes. At least 50 residential drinking water wells have been identified within 1 mile of the site. majority of these wells are screened less than 35 ft below the ground surface. The site is located approximately 2.5 miles northwest of the City of Elkhart municipal water wells and is well outside of the 10-year time of travel well head protection

area. Vinyl chloride contamination from a release at the Geocel site has been detected in ground water samples collected from residential water wells along Kershner Street, which is immediately east of the site. The contamination from the Geocel site is being addressed by the Indiana Department of Environmental Management's Voluntary Remediation Program.

Sample results from the August 30 sampling event indicate that the water from eleven residential wells and two business wells were found to contain elevated levels of volatile organic compounds (VOCs). Refer to the Contaminant Concentration Map on Page 4-4 for a detailed description and concentration of the VOCs detected. The map also shows the location of all detected contaminants.

4.3 SURFACE WATER PATHWAY

No storm sewers are present in the vicinity of the site and drainage is mainly internal. As a result, the potential for contamination flowing directly into surface water is negligible. There is no overland flow probable point of entry for the overland flow pathway. However, several small lakes and ponds that could serve as local ground water discharge points are located between the site and the river. Ground water from the area of the site discharges directly into the St. Joseph River. The St. Joseph River is located one and a half miles to



the south of the site.

Assuming the direction of ground water flow is directly to the south and the width of the plume is approximately % mile in width when it reaches the river, the probably point of entry for the discharge of ground water to surface water is between Marguerite Ave. to the west and Shorelane East to the east. Surface water samples, down gradient from Lane Street, would need to be obtained to determine if a release to the surface water pathway has occurred.

4.3.1 Drinking Water Threat

All residents within the 4 mile radius of the Lane Street Ground Water Contamination site obtain drinking water from private and municipal wells. There are no known surface water intakes located within the 15 mile surface water pathway that are being solely used as human drinking water sources. There does not appear to be a drinking water threat in the surface water pathway.

4.3.2 Human Food Chain Threat

The St. Joseph River is considered a fishery. As stated in Section 4.3, the potential for contaminants to flow directly

into the surface water is negligible. Currently there are no known fish advisories regarding volatile organic compounds in aquatic life residing in the St. Joseph River.

4.3.3 Environmental Threat

Currently there are no known contaminants in surface soils that could impact any sensitive environments. Soil sampling and a sensitive environment survey will need to be conducted to determine if any environmental threat exists.

4.4 Soil Exposure

The site lies in a residential area. Soils outlined within the study area of the Lane Street Ground Water Contamination are accessible to the public and workers of businesses located in the Lane Street area. There are no schools or daycare facilities within 200 feet of the site. Refer to the 4-Mile Radius Map, Appendix A, for the population within each distance ring. No soil samples were collected as part of this Preliminary Assessment.

4.5 Air

No air samples were collected. Presently, there are no reports of adverse health effects potentially resulting from the migration of any solvents or odors in the area. A potential exists for vapor intrusion of VOCs into the indoor air of the residents' homes that have been impacted with contaminated drinking water.

Section V

Site Summary and Conclusions

The site was reported to IDEM from a representative of the Elkhart County Health Department (ECHD). The ECHD received a call from a resident who resides on Lane Street. The resident, who obtains drinking water from a private well, had her water analyzed for volatile organic compounds. The analysis revealed elevated levels (1560 ug/l) of trichloroethylene (TCE). The maximum contaminant level for TCE is 5 ug/l.

Lane Street lies adjacent to a known ground water plume that is being addressed by IDEM's Voluntary Remediation Program (VRP). The responsible party for the known ground water plume in the area indicated that the contamination found on Lane Street is from another source because some of the contaminants are different than those detected in the known ground water plume and the geology of the area show the contamination of the known ground water plume is confined to a specific area east of Lane Street.

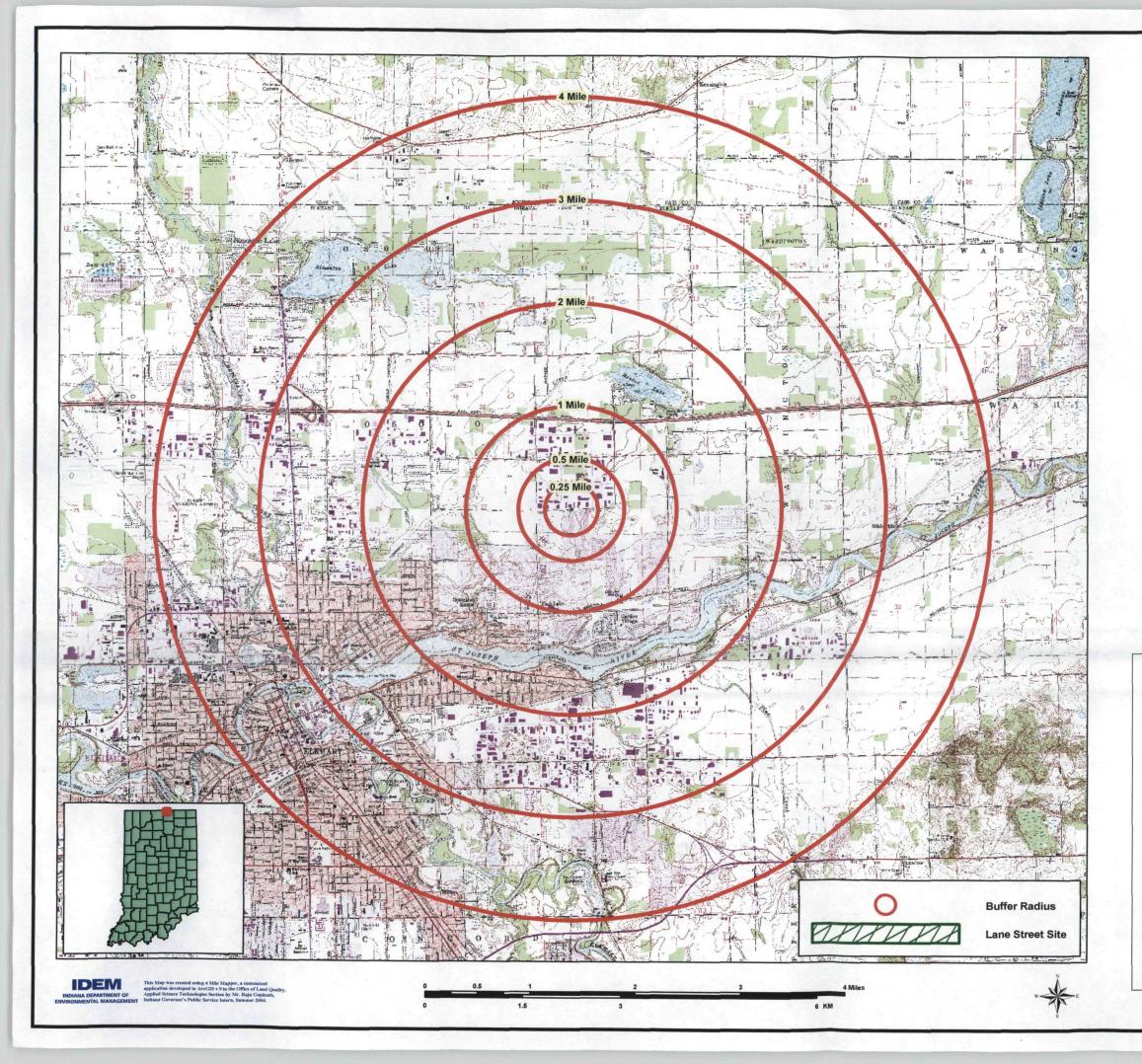
On August 30, 2007, Site Investigation staff sampled the ground water from thirty nine private wells on and north of Lane Street. Analysis of the ground water samples revealed that the drinking water in four residential wells were found to contain

elevated levels of VOC's at concentrations above MCLs.

The site lies in a predominantly residential area providing many potential targets in the event of an off site release of hazardous materials. Approximately 26 homes on Lane Street utilize private wells for drinking water and are subject to ground water contamination. Site investigation staff recommends that a Site Inspection be conducted under CERCLA to determine the impact of ground water contamination to the nearby citizens.

APPENDIX A

Four Mile Radius Map



Lane Street Ground Water Contamination Elkhart, Elkhart County, IN **US EPA ID: INN 000510229** Four Mile Radius Map

85°55'15.33"W 41°43'0.64"N (Lane Street and CR 106)

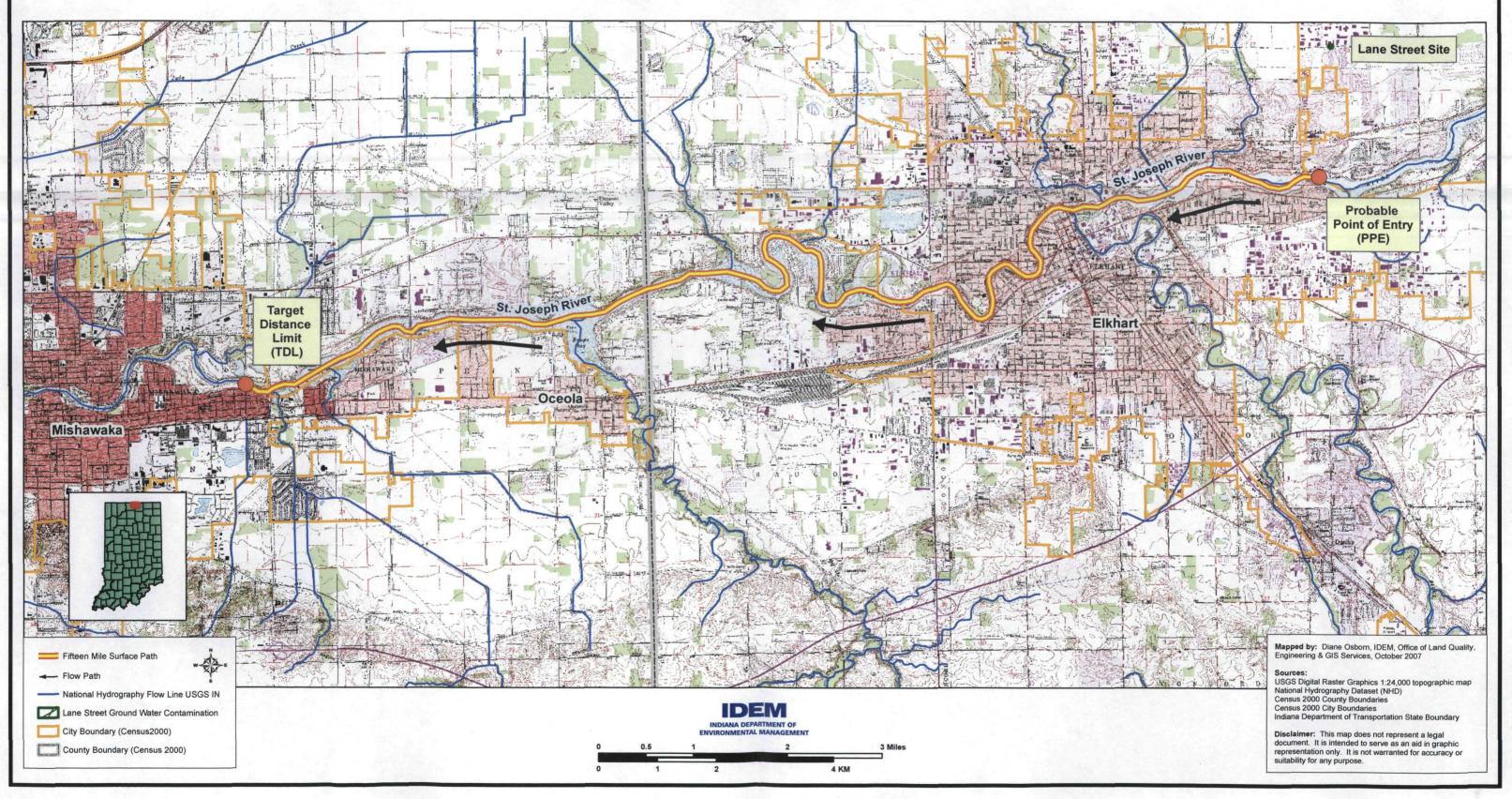
Buffer Distance	Adjusted Population	
0.25 Mile	249	
0.5 Mile	698	
1 Mile	2656	
2 Mile	10536	
3 Mile	14584	
4 Mile	23418	

Mapped by: Diane Osborn, IDEM, Office of Land Quality, Engineering & GIS Services, October 2007

APPENDIX B

15 Mile Surface Water Pathway Map

Lane Street Ground Water Contamination Elkhart, Elkhart County, IN US EPA ID: INN 000510229 15 Mile Surface Water Map



APPENDIX C

Chemical Analysis

P. 02

State Form 4336

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

INDIANAPOLIS

OFFICE MEMORANDUM

Date: 15-Nov-07

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF LAND QUALITY

To:

Mark Jaworski

Site Investigations

Thru: Steve Buckel

Jim Risch

From:

Christopher Ferguson

OLQ Chernistry Section

Subject: Sample Results and Level IV Quality Assurance/Quality Control (QA/QC) Data Report

Lane Street Contamination Elkhart, Elkhart Go., Indiana

Sampled: August 22, 23, 30, and 31, 2007

Sample Numbers LQ4537-4545, LQ4570-4579, LQ4581-4595, and LQ4597-4610

Heritage Environmental Services, LLC

The review of the Sample Results and Level IV Quality Assurance/Quality Control (QA/QC) Data Report for the Lane Street Contamination site, reported by Heritage Environmental Services, LLC on 31-Aug-07 and 12-Sep-07, has been completed. The evaluation was based on the procedures and methods described in Laboratory Contract 5-102, the RISC Technical Resource Guidance Document, and "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (\$W-846), Update III. Upon review of the Level IV QA/QC documentation, the data has been determined to be valid and acceptable for use. Reasons that data are qualified as estimated are explained below. This memorandum should remain attached to the original laboratory reports for reference.

General Comments.

The purpose of this event was to sample for potential contamination in drinking water. The collected samples were analyzed for Volatile Organic Compounds (VOCs) by EPA method SW-846 8260B; Semi-Volatile Organic Compounds (SVOCs) by method 8270C; Polychlorinated Biphenyls (PCBs) by method 8082; Pesticides by method 8081, the Metals Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver, Sodium, Iron, Manganese, Copper, Boron, and Zinc by method 6010B; and Mercury by method 7471A.

All samples were delivered to the laboratory within one day of collection and were analyzed within the required holding times.

Mark Jaworski – Lane Street Contamination- 15-Nov-07 Pg. 2 of 4

Sampling Quality Assurance/Quality Control

Field documentation did allow for interpretation of the data.

Field duplicate samples are used to establish the representativeness of field sampling (i.e., the homogeneity and sample variability). The drinking water duplicate samples for this study were not in good agreement for some analytes (> 20% difference). Results for the following compounds are estimated with an unknown bias:

VOCs from Aug 22-23. Trichloroethene, 1,1-Dichloroethene, 1,1-Dichloroethane, and Chloroform.

VOCs from Aug 30-31: 1,1,1-Trichloroethene, 1,1-Dichloroethene, and 1,1-Dichloroethane.

According to the field documentation, it does not appear that the appropriate number of field duplicates were collected for the 30/31-August sampling event. The RISC Technical Guide states that 1 duplicate sample should be collected for every 20 samples per matrix. Thirty-four samples were collected during this event, but only one duplicate was taken. Given the number of samples and the fact that multiple sampling teams were utilized for this event, the associated results should be considered estimated with an unknown bias. However, as the purpose of the sampling event was to screen the residential and commercial facilities for impaired drinking water, overall data usability is not affected.

Field blanks (trip and/or equipment) are used to identify sample contamination resulting from sampling equipment, sample containers, chemical preservatives, and the handling and transportation of samples. A trip blank was supplied by the laboratory. No equipment blank was required. No compounds were detected in the Trip Blanks above the detection limit.

Laboratory Quality Assurance/Quality Control:

The laboratory did perform all quality assurance/quality control (QA/QC) measures necessary to validate the analytical results for this sampling event. The data was determined to be valid. Based on the validation of the analytical results, the following comments and/or qualifications are made regarding the data:

VOCs:

- 1. 22/23-Aug sampling event: Several compounds (Ethylbenzene, O-Xylene, Dichlorodifluoromethane, Naphthalene, sec-Butylbenzene, Styrene, 1,2,4-Trimethylbenzene, 1,2,5-Trimethylbenzene, 1,3,5-Trimethylbenzene, and 4-isopropylbenzene, were reported out of control (low) in the continuing calibration, matrix spike, and/or matrix spike duplicate analyses. Results for these compounds should be considered estimated with an unknown bias.
- 2. 30/31-Aug sampling event: Dichlorodifluoromethane was reported out of control low in the continuing calibration analysis. Results for this compound should be considered estimated with a low bias.

Mark Jaworski – Lane Street Contamination- 15-Nov-07 Pg. 3 of 4

The Reproducibility (RPD) results for the MS/MSD analyses were out of control for Vinyl Chloride, Hexachlorobutadiene, 1,2,3-Trichlorobenzene, and 1,2,4-Trichlorobenzene. Results for these compounds should be considered estimated with an unknown bias.

Metals: No issues were noted for the Metals analyses.

SVOCs:

1. Surrogate recoveries for the Laboratory Control Sample, MS/MSD, and LQ4582 were out of control high. Accordingly, all SVOC results should be considered estimated with a high bias. Since all SVOC results were below the detection limits, however, data usability is not affected.

PCBs:

- 1. Low recoveries for the surrogate Decachlorobiphenyl (DCB) were reported for all of the Matrix Spike (MS) analyses. Results for the other surrogate (2,4,5,6-Tetrachloro-m-xylene or TCMX) were acceptable for the MS analyses. Also, DCB recoveries in the LCS and sample analyses were acceptable. Overall data usability is not affected.
- 2. Insufficient sample was available for the analysis of a MSD sample. A laboratory spike duplicate was used in place of the MSD. Compound results from the MS sample were in control, so data usability is not affected.

Pesticides:

1. All RPD results for the MS/MSD samples were out of control due to sample loss during laboratory preparation. The individual recoveries of the MS and the MSD samples were in control. Overall data usability is not affected.

Sample Results:

- 1. Trichloroethene was detected above or near (<5% below) the RISC Industrial Default Closure Level (IDCL) in samples LQ4537-4541, LQ4577, LQ4581-4586, and LQ4598-5601.
 - 1,1-Dichloroethane was detected above the RISC Residential Default Closure Level (RDCL) in samples LQ4537-4538, LQ4541, LQ4582, LQ4585, and LQ4599-4601.

All other VOC results were either below the RISC RDCL or the method detection limits.

2. All Metals, SVOC, PCB, and Pesticides results were below the RDCLs or the method detection limits.

Mark Jaworski – Lane Street Contamination- 15-Nov-07 Pg. 4 of 4

Conclusions:

The data are usable for the overall project goal.

The QA/QC documentation contained in the document is sufficient to validate the data. See attachments for the numerical summary of the data. The summary tables list only the analytes detected by the laboratory. The level of contamination detected at the residences presents an acute health risk to those exposed and should continue to be monitored. Additional investigation is recommended to monitor the migration of the plume and to ensure that all affected residences receive the assistance necessary (bottled water, filtration systems, etc.) to protect human health.

Attachments

Volatile Organic Analysis

Site Name:
Site Number:
Location:
Date Sampled:
Date Reported:

1.04537.4545,
1.04571.4579,
1.04581.4595, and
1.24597.4570
1.24581.4595, and
1.24581.4595,

Drinking Water

ug/L

LINTES:

Sam	ple#	Type/IDF	1,1-Dichloroathene	1,1,1-Trichlometrane	Tricolorcethene	1,1-Dichlorosinana	Bromodicaloramethera	Chlorodibiomomethane	Chloroferin e	is-1,2-Dicirlorosihens
Lab	IDEM									. 70
	dantal Delault Cins		7	200	5	1 5	8(1	N/A	0007	1000
	ISTRE DEJENII CIOSU	re Level	5100	5300p	7.2	10000	0.5	N/A 0.5	0.5	0.5
	on Lands		0.5	25					-	
A7E0299	LQ4537	Drinking Water	451	3.4						
A78/3300	LQ4538	Drinking Water		3	120					
A780301	LQ4539	Dainking Water	0 112	21					SHEET	
A7B53D2	LQ4540	Drinking Water	and the second	23	- 100				li.	
A780903	LQ4541 ···	Drinking Water	0.00	1.7	45					
A760304	LQ4542	Dvinking Water			and the second					
A7E03D5	LQ4543	Doinking Weiter	20-178-20-5 -01-			and the same of the same			in the second second	
A7B9006	LQ4544	Dranking Water					8.9	2.5	2645	
A780307	LQ4545	Drinking Water								
A7B1234	L0457D	Drinking Water								the property of
A781235	LQ4571	Drinking Water								
A781238	LQ4572	Draiking Water	Partie 1						E E	and the second of
A781237	LQ4573	Drinking Water								and the same of the
A781238	LQ4574	Drinking Water								1
A781240	L04575	Oninking Water				100				
A781241	LQ4576	Drinking Water				STATE OF THE STATE OF				0 C . C 2: 11, 12 5
A7B1243	LQ4577	Drinking Water	Light of Lot		9).2		du de d			, to the state of
A7B1244	LQ4578	Drinking Water								
A761245	LQ4579	Drinking Water								
A7B124B	LQ4581	Drinking Water		0.0	100					
A761249	LQ4582	Drinking Water	1.3	28	100	The state of the s				0.69
A761250	LQ4503	Drinking Water	刀鞭	21	320					153
A781251	LQ4584	Drinking Water			300	3.4				0.7
A781252	1045到5	Drinking Water			160	59				1157
A781253	LQ4536	Drinking Water			1/4	Э.			selende de	0.64
A781254	LQ4537	Drinking Water	1 104							
A781255	LQ4598	Drinking Water								
A781255	LQ4539	Drinking Waser	the second second second							
A781257	LQ45EKI	Drinking Waler			Description of the second	Charles Contract				
A781259	LQ4591	Drinking Water	TO BE SHOULD BE		3/2 3 3 5 5 L	all knows process				and the same of the same
A781259	LQ4592	Drinking Water				13.00			4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
A781260	LQ4593	Drinking Water							par de l'Avent	the state of the s
A781261	LQ4594	Drinking Water					al construction of		1 6 1 1 1 E	
A781262 A781276	LQ4595 LQ4597	Drinking Water								
A781263	LQ4597	Drinking Water Drinking Water			A 2 4 1					
A781264	LQ4599	Drinking Water		ZU	49	10				
A781265	LQ4800	Drinking Water	0.50	Lead 3 has		10				
A781266	LQ45D1	Drinking Water			49					
A781267	LQ4602	Drinking Water								
A781268	LQ4603	Drinking Water				30				
A781269	LQ46D4	Drinking Water								The second field in
A781270	LD48D5	Drinking Water					ter the contract to)		
A781271	LQ46D5	Drinking Water								
A781272	LQ4607	Drinking Water								
A781273	LQ45DB	Drinking Water								
A781274	LQ4609	Drinking Water	Contract to the contract of		35,35029 236					
A7B1275	LD4610	Drinking Water		20172900000	200				al dag de d	

Bold > Industrial Reference Level
BLANK (Type indicated)
FIELD DUPLICATE
FIELD DUPLICATE
FIRSC Levels, January 31, 2005 (Soutchaudwater)
Empty Box indicates NON-DETECTABLE

RCRA Metals & Non-RCRA Primary Standards **Drinking Water**

Site Name: Lane Street Site Number: Location: 0000000 Elkhart 22-23, 30-31-Aug-07 8/31/07, 9/12/07 LQA537-4545, LQ4570-Date Sampled: Date Reported: 4579, LQ4581-4595, and Sample Numbers: LQ4597-4610 Lab: Heritage

UNITS: mg/L

Lab:	THE ITAGE	UNITS:	mg/E
	Sample #	Type/ID#	Barium
Lab	IDEM	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	Residential Default Closu	re Level***	2
RISC	Industrial Default Closure	Level	20
	ection Limits		0.01
A780299	LQ4537	Drinking Water	N/R
A780300	LQ4538	Drinking Water**	N/R
A780301	LQ4539	Drinking Water	N/R
A780302	LQ4540	Drinking Water	N/R
A780303	LQ4541	Drinking Water	N/R
A780304	LQ4542	Drinking Water	N/R
A780305	LQ4543	Drinking Water	N/R
A780306	LQ4544	Drinking Water	N/R
A780307	LQ4545	Drinking Water	N/R
A781234	LQ4570	Drinking Water	0.011
A781235	LQ4571	Drinking Water	
A781236	LQ4572	Drinking Water	
A781237	LQ4573	Drinking Water	
A781238	LQ4574	Drinking Water	
A781240	LQ4575	Drinking Water	0.072
A781241	LQ4576	Drinking Water	
A781243	LQ4577	Drinking Water	1
A781244	LQ4578	Drinking Water	
A781245	LQ4579	Drinking Water	
A781248	LQ4581	Drinking Water	
A781249	LQ4582	Drinking Water	0.023
A781250	LQ4583	Drinking Water	0.023
A781251	LQ4584	Drinking Water	1
A781252	LQ4585	Drinking Water	
A781253	LQ4586	Drinking Water	
A781254	LQ4587	Drinking Water	
A781255	LQ4588	Drinking Water	
A781256	LQ4589	Drinking Water	1
A781257	LQ4590	Drinking Water	
A781258	LQ4591	Drinking Water	
A781259	LQ4592	Drinking Water	
A781260	LQ4593	Drinking Water	1
A781261	LQ4584	Drinking Water	
A781262	LQ4595	Drinking Water	
A781276	LQ4597	Drinking Water	
A781263	LQ4598	Drinking Water	0,027
A781264	LQ4599	Drinking Water	
A781265	LQ4600	Drinking Water	
A781266	LQ4601	Drinking Water	
A781267	LQ4602	Drinking Water	
A781268	LQ4603	Drinking Water	
A781269	LQ4604	Drinking Water	
A781270	LQ4605	Drinking Water	
A781271	LQ4606	Drinking Water	
A781272	LQ4607	Drinking Water	
A781273	LQ4606	Drinking Water	
A781274	LQ4609	Drinking Water	
A781275	LQ4610	Drinking Water	1

NA=NOT AVAILABLE

N/R = NOT RUN

Empty Box Indicates NON-DETECTABLE

Bold = Above Reference Level

^{*} BLANK (Type indicated)
** FIELD DUPLICATE
*** RISC Levels, January 31, 2006 (Soil/Groundwater)

APPENDIX D

Site Photographs



SITE: Lane Street Ground Water Contamination

EPA ID#: INN000510229

DATE:8/31/07 TIME: 9:25 am

WEATHER: Sunny; 80s ° SAMPLE ID# LQ 4598

SAMPLE TYPE: Ground Water DESCRIPTION: Ground water sample obtained from 53515 Lane

Street



SITE: Lane Street Ground Water Contamination

EPA ID#: INN000510229

DATE:8/31/07 TIME: 9:35 am

WEATHER: Sunny; 80s ° SAMPLE ID# LQ 4599

SAMPLE TYPE: Ground Water DESCRIPTION: Ground water sample obtained from 53535 Lane

Street



SITE: Lane Street Ground Water Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 9:25 am

WEATHER: Sunny; 80s ° SAMPLE ID# LQ 4598

SAMPLE TYPE: Ground Water

DESCRIPTION: Picture shows the

area where sample LQ4598 was



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07

TIME: 9:35 am

WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4599

SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the
area where sample LQ4599 was

obtained



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 9:50 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4600
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from Lane
Street



SITE: Lane Street Ground Water Contamination EPA ID#: INN000510229

DATE:8/31/07

TIME: 9:50 am

WEATHER: Sunny; 80s ° SAMPLE ID# LQ 4600

SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the
area where sample LQ4600 was



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 10:00 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4601
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53569 Lane

Street



Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 10:00 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4601
SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4601 was obtained



Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 10:10 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4602
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53585 Lane
Street



SITE: Lane Street Ground Water
Contamination
EDA ID# INVOCASIONAL

EPA ID#: INN000510229

DATE:8/31/07

TIME: 10:10 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4602

SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4602 was

obtained



SITE: Lane Street Ground Water

Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 10:20 am

WEATHER: Sunny; 80s ° SAMPLE ID# LQ 4603

SAMPLE TYPE: Ground Water DESCRIPTION: Ground water sample obtained from 53601 Lane

Street



SITE: Lane Street Ground Water

Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 10:20 am

WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4603

SAMPLE TYPE: Ground Water

DESCRIPTION: Picture shows the

area where sample LQ4603 was



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229

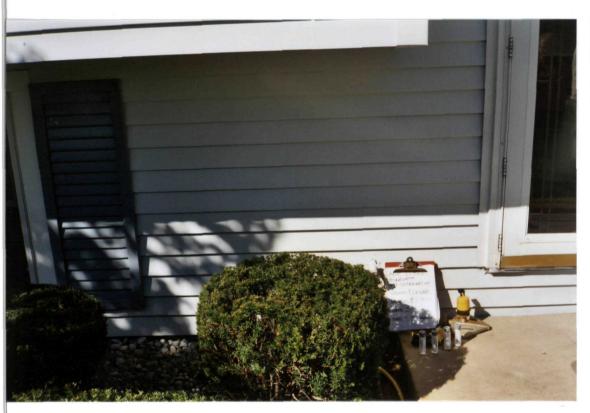
DATE:8/31/07

TIME: 10:45 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4604

SAMPLE TYPE: Ground Water

DESCRIPTION: Ground water

sample obtained from 53615 Lane Street



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 10:45 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4604
SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4604 was obtained



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229

DATE:8/31/07
TIME: 10:55 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4605
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53635 Lane
Street



SITE: Lane Street Ground Water

Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 10:55 am

WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4605

SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the

area where sample LQ4605 was

obtained



SITE: Lane Street Ground Water

Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 11:10 am

WEATHER: Sunny; 80s ° SAMPLE ID# LQ 4606

SAMPLE TYPE: Ground Water

DESCRIPTION: Ground water sample obtained from 53657 Lane

Street



SITE: Lane Street Ground Water

Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 11:10 am

WEATHER: Sunny; 80s °

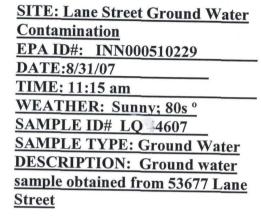
SAMPLE ID# LQ 4606

SAMPLE TYPE: Ground Water

DESCRIPTION: Picture shows the

area where sample LQ4606 was







SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229

DATE:8/31/07

TIME: 11:15 am

WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4607

SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4407 was obtained



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 11:30 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 44608
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53695 Lane

Street



SITE: Lane Street Ground Water Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 11:30 am

WEATHER: Sunny; 80s ° SAMPLE ID# LQ 4608

SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the

area where sample LQ4608 was

obtained



SITE: Lane Street Ground Water

Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 11:40 am

WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4609

SAMPLE TYPE: Ground Water

DESCRIPTION: Ground water sample obtained from 23723 Barley

Street



SITE: Lane Street Ground Water

Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 11:40 am

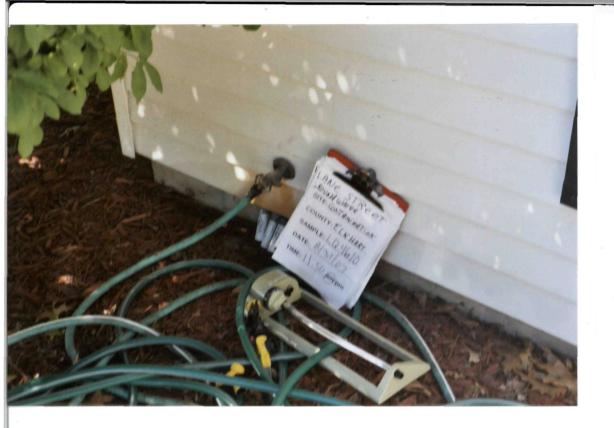
WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4609

SAMPLE TYPE: Ground Water

DESCRIPTION: Picture shows the

area where sample LQ4609 was



SITE: Lane Street Ground Water Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 11:50 am

WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4610

SAMPLE TYPE: Ground Water DESCRIPTION: Picture shows the

area where sample LQ4610 was

obtained



SITE: Lane Street Ground Water

Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 11:50 am

WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4610

SAMPLE TYPE: Ground Water

DESCRIPTION: Ground water

sample obtained from 23741 Barley

Street



SITE: Lane Street Ground Water

Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 11:50 am

WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4592

SAMPLE TYPE: Ground Water

DESCRIPTION: Ground water

sample obtained from 53684 Lane

Street



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229

DATE:8/31/07

TIME: 11:50 am

WEATHER: Sunny; 80s ° SAMPLE ID# LQ 4592

SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the
area where sample LQ4592 was

obtained



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 11:40 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4591
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53668 Lane
Street



Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 11:40 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4591
SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4591 was

SITE: Lane Street Ground Water



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 11:30 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4590
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53652 Lane

Street

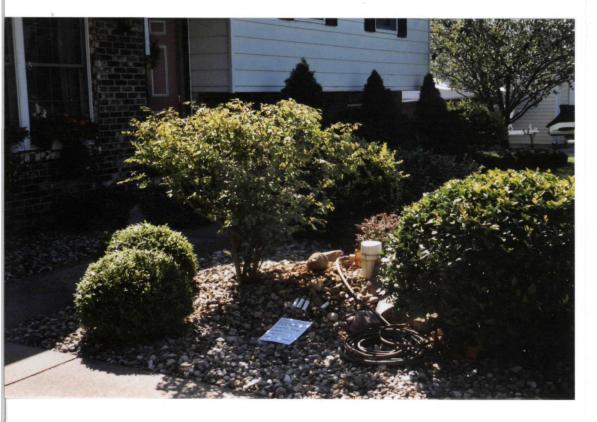


SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 11:30 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4690
SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4690 was obtained



Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 11:20 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4589
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53634 Lane
Street

SITE: Lane Street Ground Water



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 11:20 am
WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4589
SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4589 was obtained



Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 11:10 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4588
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53618 Lane
Street



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 11:10 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4588
SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4588 was



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 11:00 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4587
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53604 Lane

Street



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229

DATE:8/31/07

TIME: 11:00 am

WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4587

SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4587 was obtained



Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 10:50 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4586
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53584 Lane
Street

SITE: Lane Street Ground Water



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 10:50 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4586
SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4586 was

obtained



Contamination
EPA ID#: INN000510229

DATE:8/31/07

TIME: 10:40 am

WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4585

SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53564 Lane
Street

SITE: Lane Street Ground Water



Contamination
EPA ID#: INN000510229

DATE:8/31/07

TIME: 10:40 am

WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4585

SAMPLE TYPE: Ground Water

DESCRIPTION: Picture shows the area where sample LQ4585 was obtained

SITE: Lane Street Ground Water



SITE: Lane Street Ground Water Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 10:30 am

WEATHER: Sunny; 80s ° SAMPLE ID# LQ 4584

SAMPLE TYPE: Ground Water DESCRIPTION: Ground water sample obtained from 53548 Lane

Street



SITE: Lane Street Ground Water

Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 10:30 am

WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4584

SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the

area where sample LQ4584 was

obtained



SITE: Lane Street Ground Water

Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 10:30 am

WEATHER: Sunny; 80s °

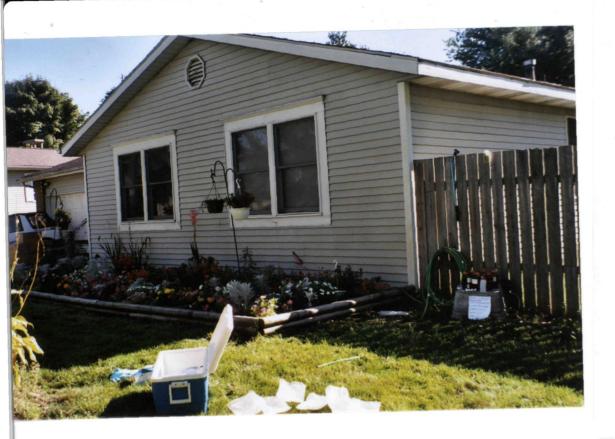
SAMPLE ID# LQ 4582

SAMPLE TYPE: Ground Water

DESCRIPTION: Ground water

sample obtained from 53532 Lane

Street



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 10:30 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4582
SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4582 was

obtained



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 10:15 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4583
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53532 Lane
Street



Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 10:15 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4583
SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4583 was obtained







SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229

DATE:8/31/07
TIME: 9:40 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4581
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53514 Lane
Street

SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 9:40 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4581
SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4581 was obtained

SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 7:50 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4570
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53468
CR 113 N



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 7:50 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4570
SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4570 was

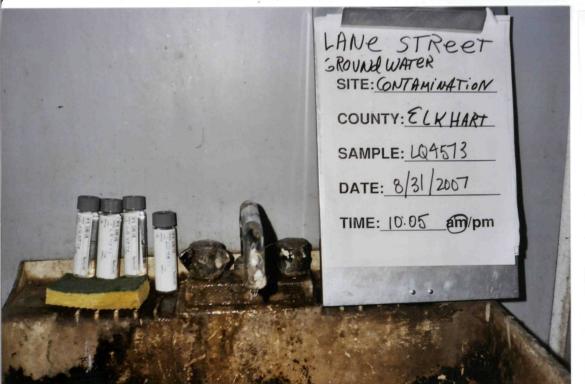
obtained



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 9:30 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4572
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53217 Marina



Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 9:30 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4572
SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4572 was obtained



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 10:05 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4573
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 23551 Cooper



LANE STREET SOUND WHERE SITE: CONTAMINATION COUNTY: ELK HART SAMPLE: LQ 4575 DATE: 8/31/2007 TIME: 10:55 Ppm

SITE: Lane Street Ground Water

Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 10:05 am

WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4573

SAMPLE TYPE: Ground Water

DESCRIPTION: Picture shows the area where sample LQ4573 was obtained

SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 9:55 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4575
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53386 Ada
Street



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 10:55 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4575
SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4575 was obtained



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 11:20 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4577
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 23537 CR 106

SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 11:20 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4577
SAMPLE TYPE: Ground Water
DESCRIPTION: Picture shows the area where sample LQ4577 was obtained



SITE: Lane Street Ground Water

Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 11:55 am

WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4578

SAMPLE TYPE: Ground Water DESCRIPTION: Ground water sample obtained from 53465 Ada



SITE: Lane Street Ground Water

Contamination

EPA ID#: INN000510229

DATE:8/31/07

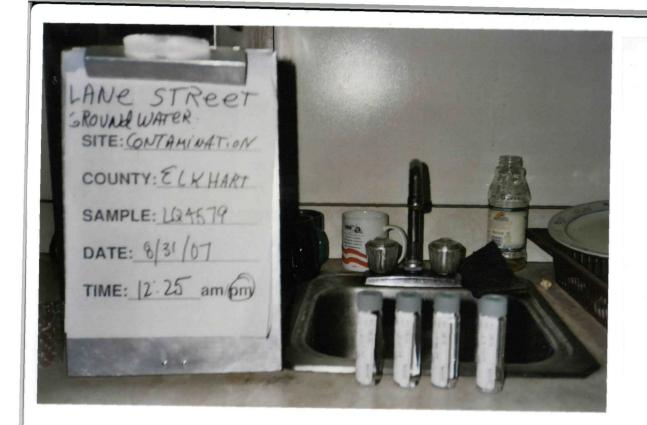
TIME: 11:55 am

WEATHER: Sunny; 80s °

SAMPLE ID# LQ 4578

SAMPLE TYPE: Ground Water DESCRIPTION: Picture shows the

area where sample LQ4578 was



SITE: Lane Street Ground Water
Contamination
EPA ID#: INN000510229
DATE:8/31/07
TIME: 12:25 am
WEATHER: Sunny; 80s °
SAMPLE ID# LQ 4579
SAMPLE TYPE: Ground Water
DESCRIPTION: Ground water
sample obtained from 53468 Ada



SITE: Lane Street Ground Water Contamination

EPA ID#: INN000510229

DATE:8/31/07

TIME: 12:25 pm

WEATHER: Sunny; 80s ° SAMPLE ID# LQ 4579

SAMPLE TYPE: Ground Water DESCRIPTION: Picture shows the

area where sample LQ4579 was